Order Window Break Down

Current Model

Hours		Orders Hour	Window
7-8	7 - 9	15	
8-9		15	30
9-10	9 - 11	15	
10-11		15	30
11-12	11 - 13	15	
12-13		15	30
		90	90
16-17	16 - 18	15	
17-18		15	30
18-19	18 - 20	15	
19-20		15	30
20-21	20 - 22	15	
21-22		15	30
		90	90
Daily Totals		180	180

Drivers			
2 SPORH	7.5	*4 SPORH*	3.75
3 SPORH	5.0	*5 SPORH*	3.00

Weekly Totals	990
(Includes Saturday)	

FIG. 1 (PRIOR ART)

US 6,954,736 B2

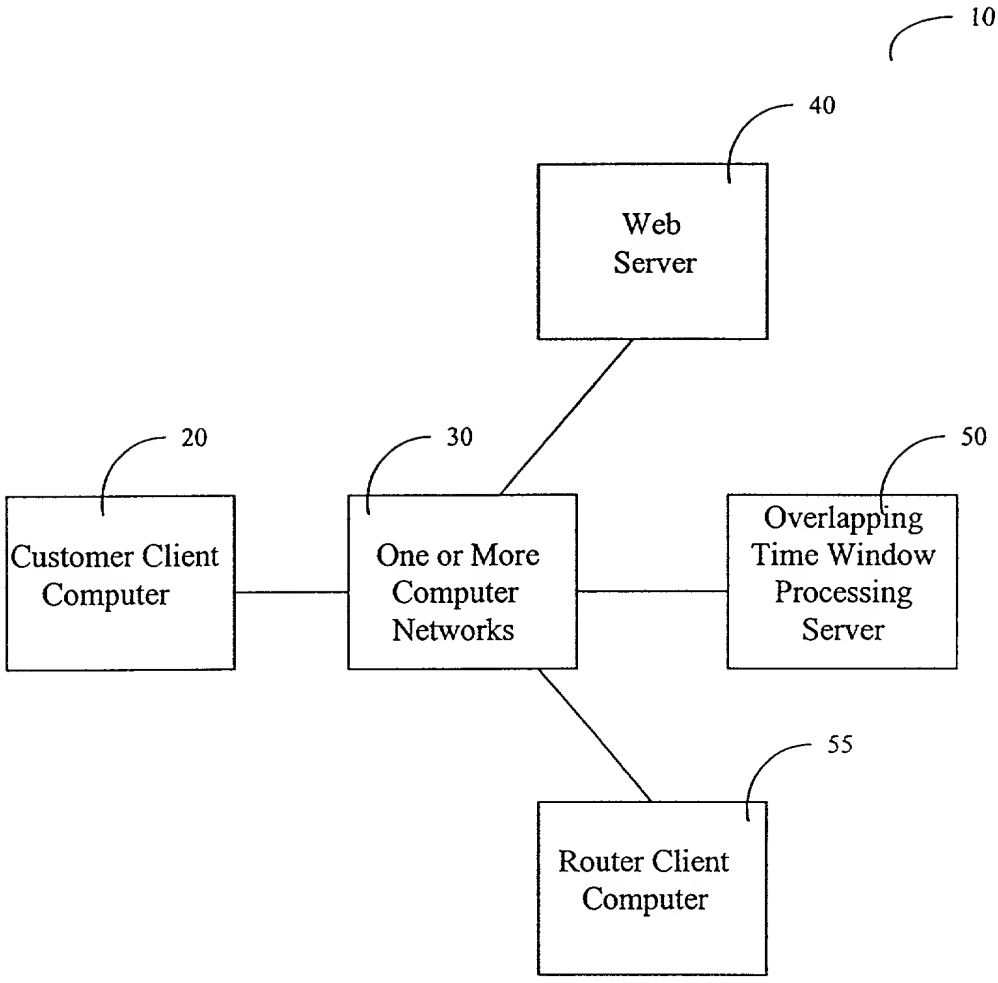

10
40
Web
Server
20
30
50
Customer Client
Computer
One or More
Computer
Networks
Overlapping
Time Window
Processing
Server
55
Router Client
Computer

FIG. 2

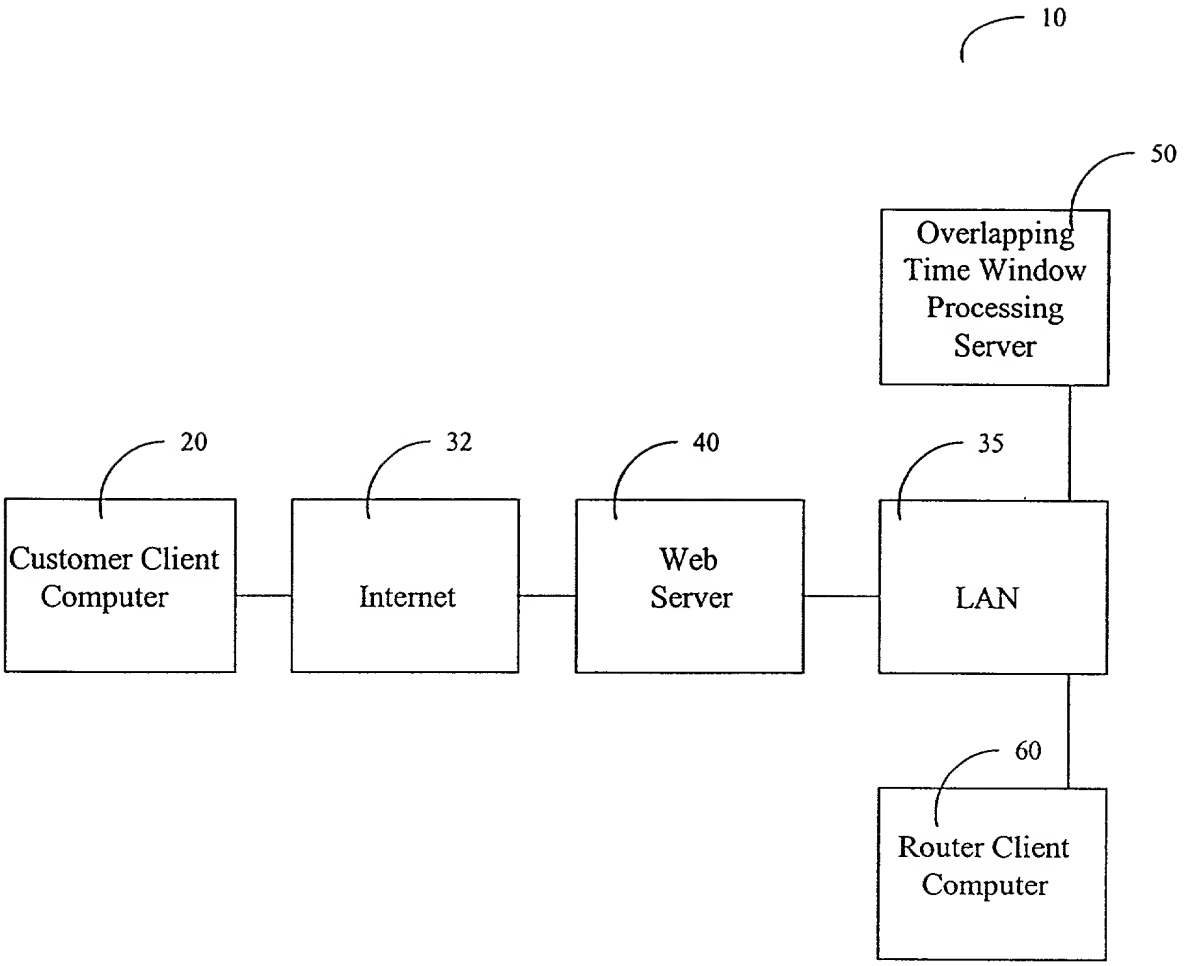

10
50
Overlapping Time Window Processing Server
20
32
40
35
Customer Client Computer
Internet
Web Server
LAN
60
Router Client Computer

FIG. 3

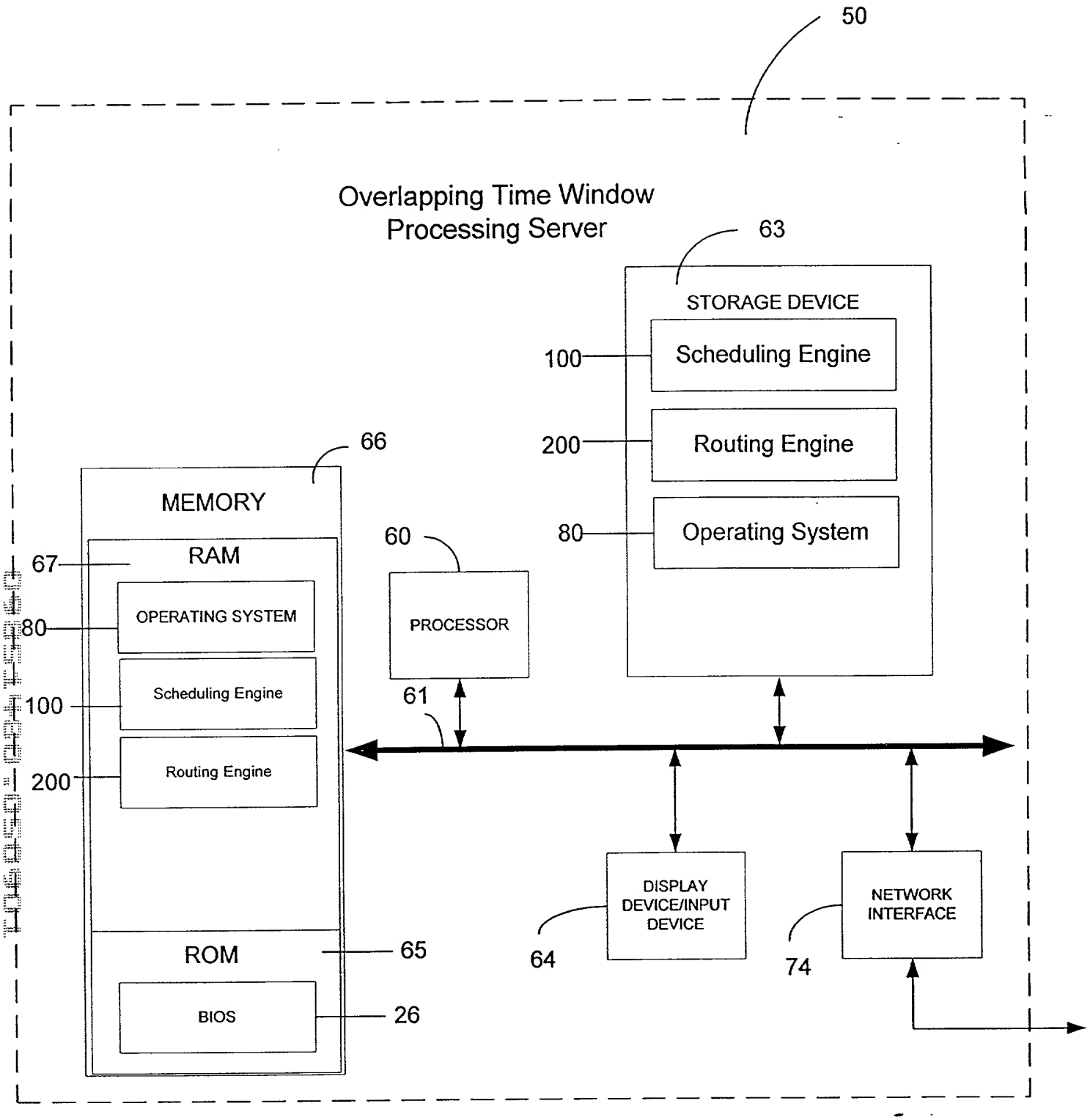

50
Overlapping Time Window
Processing Server
63
STORAGE DEVICE
100
Scheduling Engine
200
Routing Engine
80
Operating System
66
MEMORY
60
67
RAM
PROCESSOR
80
OPERATING SYSTEM
61
100
Scheduling Engine
200
Routing Engine
DISPLAY
DEVICE/INPUT
DEVICE
64
NETWORK
INTERFACE
74
ROM
65
BIOS
26

FIG. 4

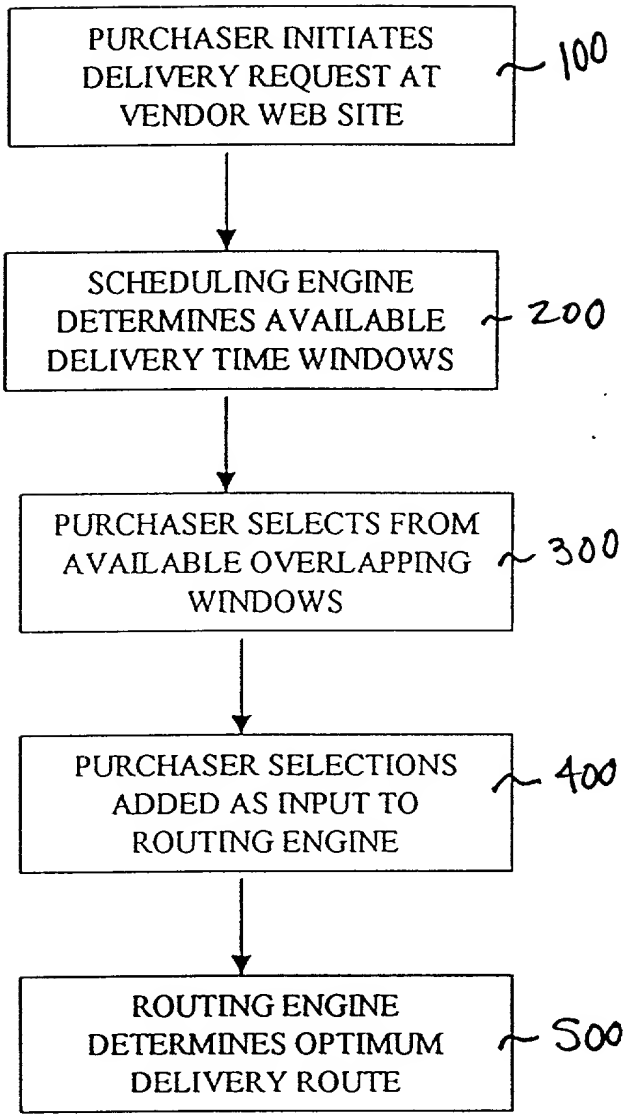
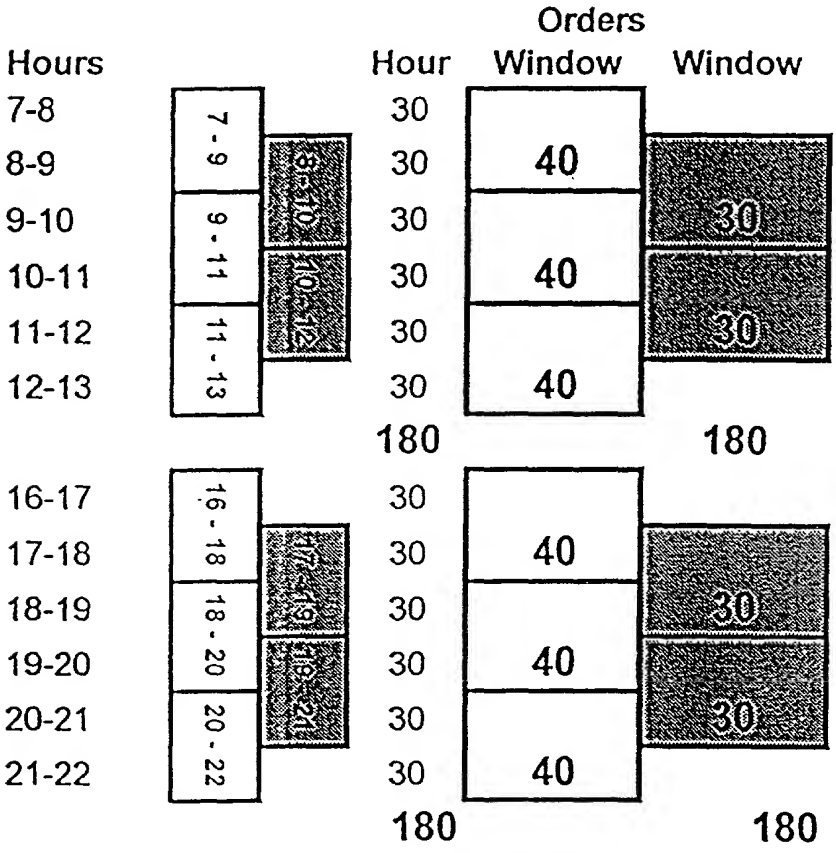

PURCHASER INITIATES DELIVERY REQUEST AT VENDOR WEB SITE
100
SCHEDULING ENGINE DETERMINES AVAILABLE DELIVERY TIME WINDOWS
200
PURCHASER SELECTS FROM AVAILABLE OVERLAPPING WINDOWS
300
PURCHASER SELECTIONS ADDED AS INPUT TO ROUTING ENGINE
400
ROUTING ENGINE DETERMINES OPTIMUM DELIVERY ROUTE
500

FIG. 5

Order Window Break Down

Proposed 2 Hour with 1 Hour Overlap



Daily Totals	360	360

Drivers			
2 SPORH	15.0	*4 SPORH*	7.50
3 SPORH	10.0	*5 SPORH*	6.00

Weekly Totals	1980
(Includes Saturday)	

FIG 6

D95-1680-05909

Order Window Break Down

2 Hour with 1 Hour Overlap and Full shift Overlap

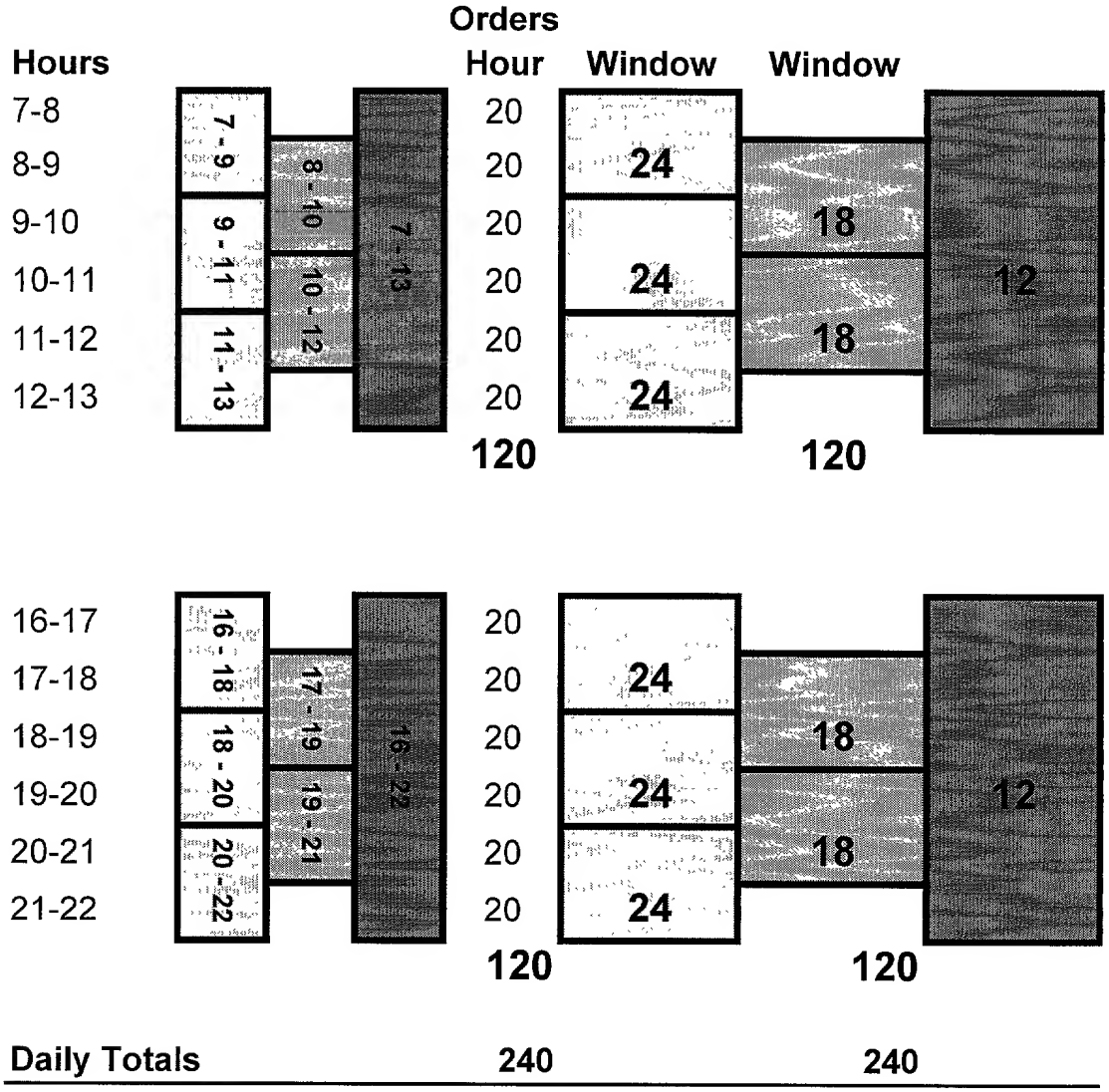


FIG. 7

Patent Application Publication

T06050" 08hT5860

Attended Delivery

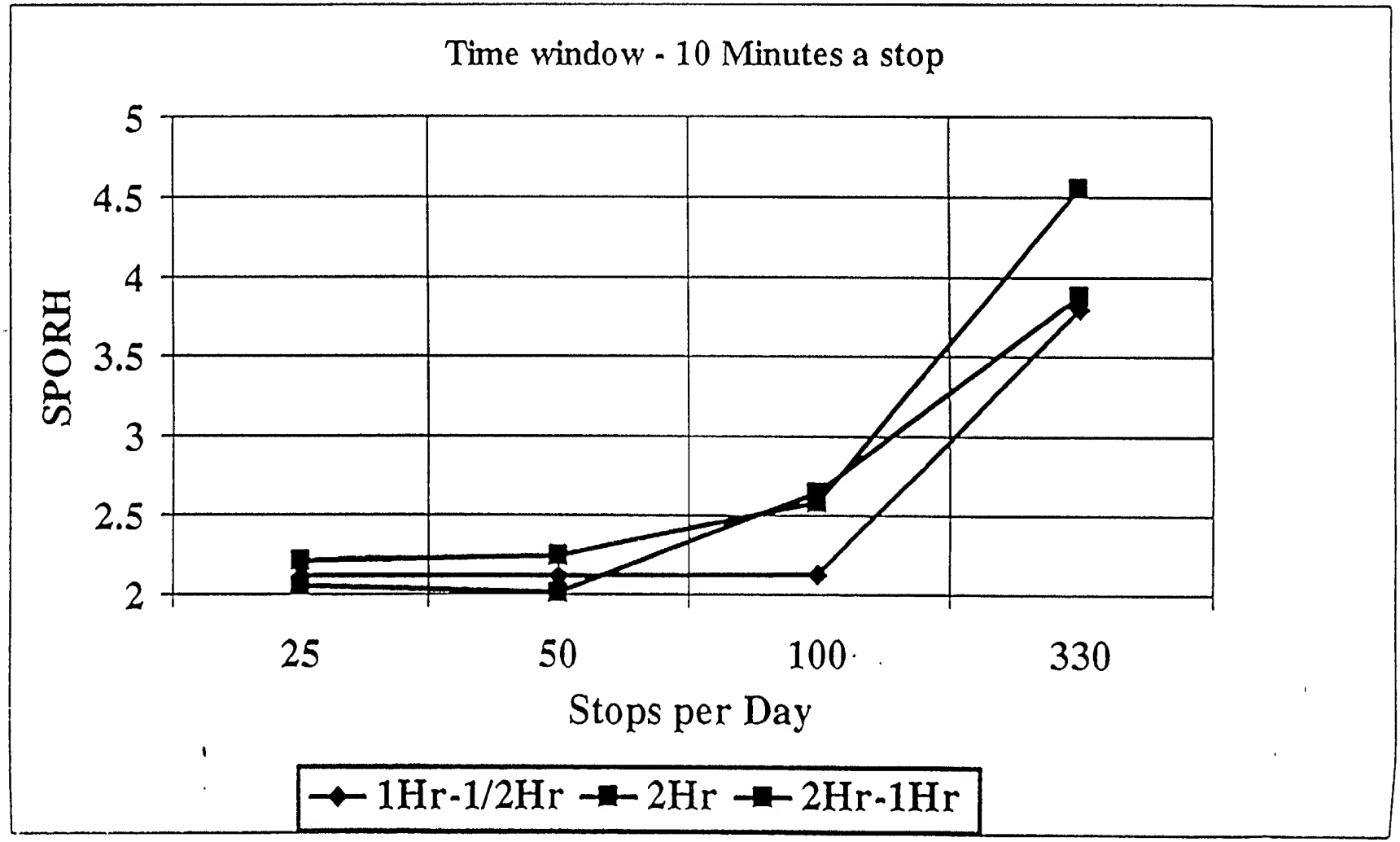


Fig. 8

Attended Delivery

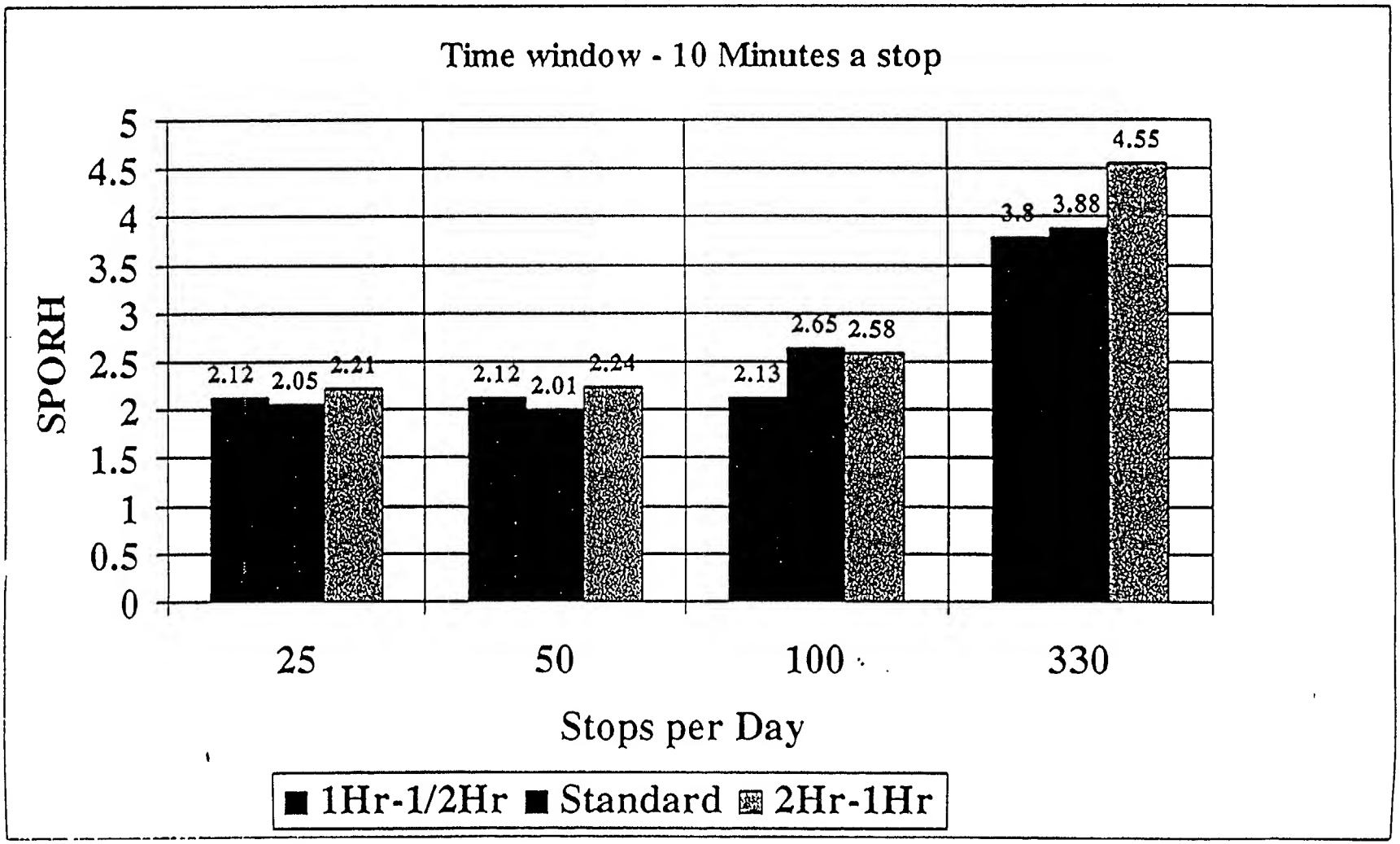


Fig. 9